



**LEGEND**

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey

- 1991 Water Surface
- 2002 Water Surface

**CONTROL POINT DATA**

L-16 (concrete and pipe)  
Northing: 2304093.576  
Easting: 6680983.269  
Elevation: 138.74'

L-15 -- not found

**GAGE DATA (from USGS)**

Oroville Gage:  
7/8/92: 1020cfs  
10/8/02: 637cfs  
Gridley Gage:  
7/8/92: 977cfs  
10/8/02: 2724cfs

Notes:  
1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 8, 1992.  
2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.  
3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.  
4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.  
5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

**TRANSECT DATA**

Length (2002): 1000.48'  
Length (1991): 354.86'

Azimuth: 90°11'32"  
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STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing  
FERC Project No. 2100

SP--G2 -- Task 3  
Appendix C -- Plate 12  
Channel Changes -- 1992 - 2002  
Matthews Riffe -- Transect 1  
RM 63.19

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